



# Air Force Research Laboratory



***Integrity ★ Service ★ Excellence***

## Engineer and Scientist Exchange Program (ESEP)

**8 February 2012**

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ESEP/WOW Program Manager  
AFOSR International Office  
Air Force Research Laboratory**



# Engineer and Scientist Exchange Program (ESEP) and Windows-on-the-World (WOW)



- **ESEP**
- **History**
- **Management**
- **Current Placements**
- **USAF Placement process**
- **Foreign Placement Process**

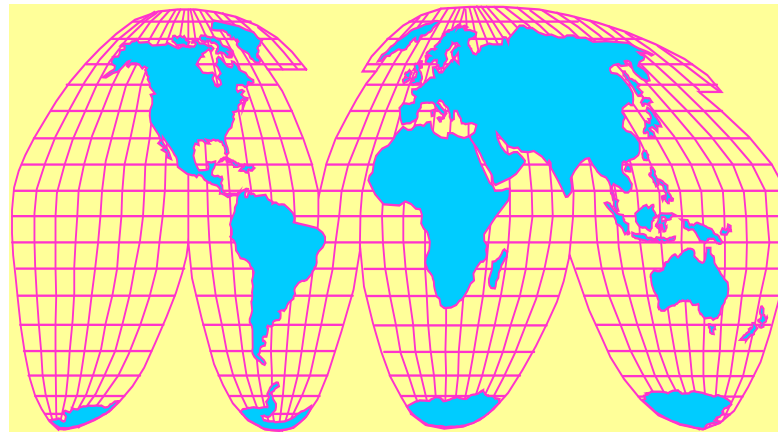


# ESEP HISTORY

ESEP is a DOD program  
Established with Germany in December 1963  
Requires an International Agreement  
Exists with 17 countries

## AIR FORCE MANAGES:

Australia  
France  
Germany  
Italy  
Japan  
Korea  
Norway  
Poland  
Spain



## ARMY MANAGES:

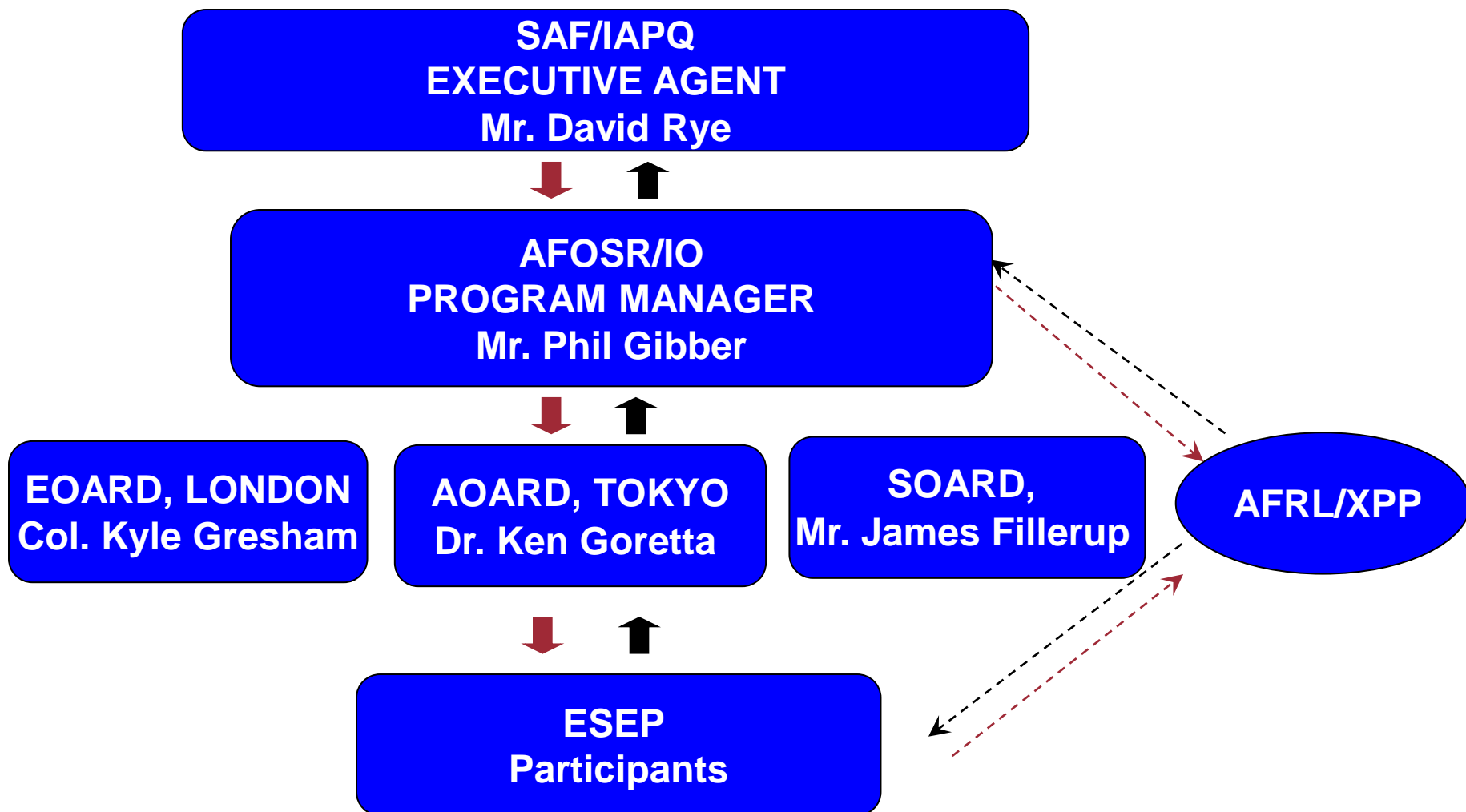
Canada  
Chile  
Czech Republic  
Egypt  
Israel  
The Netherlands  
United Kingdom

## OSD(AT&L) MANAGES:

Singapore



# ESEP Management



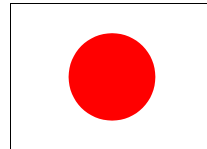


# ESEP GROUP 2010-2012

## USAF Researchers in Foreign Labs

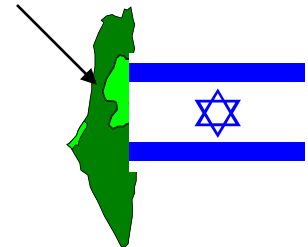


DSTL Porton Down  
Dr. Patrick Sullivan  
AFRL/RXQL  
CBRN Physical Protection



TRDI Tokyo  
Capt John Hansen  
AFRL/RBCA  
UAV Technology

Technion, Haifa  
Capt John Hansen  
AFRL/RWMER  
Chemical Weapons  
Materials



EMI Freiburg  
Capt Nathan Welty  
ASC/CCX  
Vulnerability of  
Satellite Systems

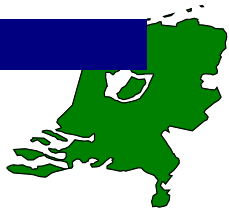


WIWEB Erding  
Capt Allison Derr  
C/KC-135 Prog Off  
Structural Failure Analysis

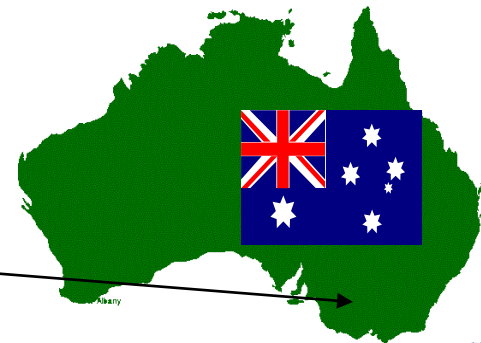
DLR Stuttgart  
Capt Levi Thomas  
AFRL/RZTC  
Ignition Dynamics



NLR Amsterdam  
Capt Tsu Kong Lue  
AFRL/RISB  
Flight Simulation



DSTO Melbourne  
Capt Wesly Anderson  
AFRL/RZTV  
Air Vehicles



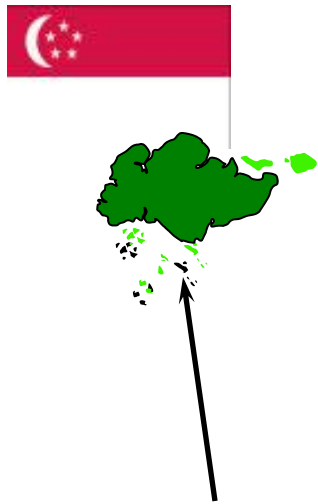


# ESEP GROUP 2011-2013

## Proposed

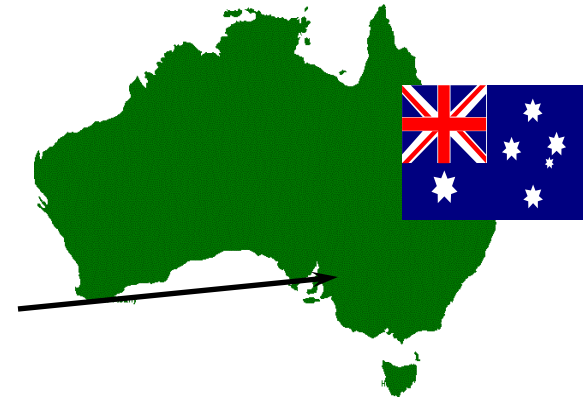


INTA, Torrejon (Madrid)  
Lt Rachel Kolesnikov-Lindsey, AFRL/RXBN  
TBD



DRT0, Temasek Labs, Singapore  
Douglas Schneider, AFRL/CCX  
Flapping Wing MAV

DSTO Melbourne  
Capt Mark Lisanby  
711 HPW/AFRL/RHPB  
Medical Countermeasures





# ESEP APPLICATION SCHEDULE



- Next application period –Spring 2012
- Application date due to SAF/IAPQ: **13 April 2012**
- Board meets in early May 2012
- Applicants informed of Acceptance May/Jun 2012
- Meeting with selected candidates Jul 2012
- Language School (6 months) Begins Jan 2013
- PCS overseas Summer 2013



# ELIGIBILITY GUIDELINES



- **Grade**
  - 1st Lt, Capt
  - GS-12/13
  - Higher Grades also Considered
- **Experience**
  - At least three years R&D experience (by PCS time)
  - Civilians: Career or Career-Conditional Appointments and have completed Probationary period
- **Education**
  - Master's degree or PhD preferred in Science, Mathematics, or Engineering
- **Language**
  - Pass Language Proficiency Test (DLPT) or
  - Defense Language Aptitude Battery (DLAB) Test
- **Medical**
  - Participant and Family should be free of Recurrent or Chronic Diseases Requiring Surgical or Specialized Medical Care or Extended Medical Treatment





# Selection of USAF Participants



- **Application package: Send to SAF/IAPQ**
  - Resume
  - Career Broadening Objective (CBO)
  - Short brief on how your participation will benefit Air Force
  - College transcripts
  - Copies of last 2 OPRs or civilian appraisals
  - DLAB test score
  - Endorsement letter from home organization
    - Will Establish an Operating Location (OL)
    - Guarantee return rights
  - Letter from a foreign lab indicating willingness to host applicant
  - Military **must** contact HQ AFPC to ensure eligibility to apply
  - Additional Endorsement Letter optional but recommended
  
- **SAF/IAPQ Selects from candidates**



# Placement of USAF Participants



- **USAF DAO or AFOSR**
  - **Officially Submits Resume and CBO to Foreign Government**
  - **Foreign Government Generates Position Description and Officially Offers Placement**
- **AFOSR Officially Accepts or Rejects Foreign Government Offer**



# BRINGING FOREIGN EXCHANGEES INTO USAF LABS



- Foreign Embassy submits formal request (Proposal) for ESEP placement to MOU Executive Agent (SAF/IAPQ)
  - Includes Résumé, Career Broadening Objectives (CBO)
- AFOSR/IO sends proposals for placement of Foreign Exchangees to AFRL/XPP to be sent out to lab International Points of Contact (IPOC)
- IPOCs coordinate the placement of Foreign Exchangees
  - Pass proposals to appropriate divisions
  - Assist hosting supervisors in drafting Position Descriptions (PD)
  - Assist hosting supervisors and Foreign Disclosure Office in preparing Extended Visit Authorizations (EVA) & Security Plan
  - Assist supervisor in computer access requirements (AFMC/CV memo 21 Jul 08)
- IPOCs return Completed Package (Signed by Chief Scientist) to AFRL/XPP and AFOSR



# APPROVAL PACKAGE



- Position Description
- Extended Visit Request - Approved by local FDO
- Security Plan - Approved by local FDO/Security
- Computer Access - Approved by local IT Commander
- Complete Package - Signed by Directorate Director/Chief Scientist

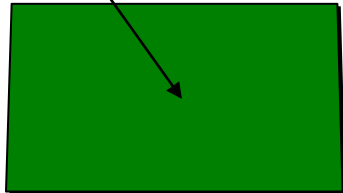


# Current ESEP

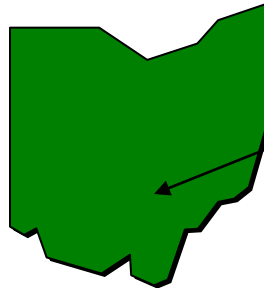
## Foreign Researchers in USAF Labs



### USAFA



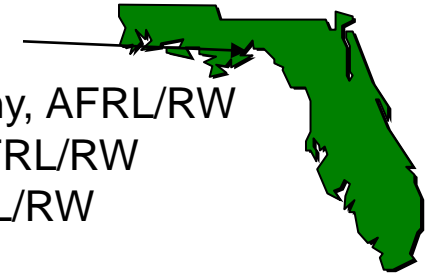
Ms. Alexandra Freudenberg, Germany  
Mr. Klaus Hofmann, Germany  
Mr. Hubert Porbadnik, Germany  
Mr. Heike Siegar, Germany  
LT Wolfgang Wuth Estefane, Chile  
Dr. Shin, Korea  
Dr Laviolette, Canada



### Wright-Patterson AFB

Mr. Joerg Schoene, Germany, HQ AFMC/A4UE  
Dr. Amanda Page, UK, 46<sup>th</sup> Test Group  
Dr. Leong-Hwee TEO, Singapore, RH ( Arr 4/2012)  
Dr. Mee Jeong KIM, Korea, AFIT

### Eglin AFB



Mr. Fabian Eisenberger, Germany, AFRL/RW  
Mr. Uwe Heinrichs, Germany, AFRL/RW  
Mr. Hardy Gruhn-Donowoi, AFRL/RW

### Washington, DC

Mr. Mirko Sohn, DASD (DSPO) Germany

### Kirtland AFB

Dr. Cher Hiang GOH, Singapore,  
AFRL/RV (Arr 4/2012)

### AFRI, Maxwell AFB

Maj (Dr) Dag Henriksen, Norway  
(Arr 2/12/2012)



# Questions